

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		uplink and (preambles near3 (message signal wave))and (sip "session intiation protocol") and (success\$4) and (chang\$3 alter\$3 modif\$4) and (signal near3 diversity) and (multipath or time near3 diversity))	US-PGPUB; USPAT	OR	ON	2009/11/21 02:51
S1	50	((("20060077935") or ("6424835") or ("6594240") or ("7013146") or ("20020089957") or ("20040264497") or ("20070047495") or ("20070077956") or ("20050135321") or ("6775548") or ("5822693") or ("6169897") or ("7089029") or ("7209077") or ("20020160785") or ("20040082336") or ("20040214590") or ("20040248605") or ("20050285783") or ("4730188") or ("4799059") or ("4864588") or ("5349607") or ("6049538") or ("6075847") or ("6546041") or ("7099267") or ("7119712") or ("20020044050") or ("20020154688") or ("20030039203") or ("20030108059") or ("20040076183") or ("20050135497") or ("20050225447") or ("20060025079") or ("20060209973") or ("20060213892") or ("20070104287") or ("4247947") or ("5781540") or ("6381229") or ("6643275") or ("6778835") or ("6912211") or ("20010024956") or ("20020018446") or ("20020021692") or ("20020072389") or ("20020085513") or ("").pn.")) .PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/24 21:06
S2	326	370/334.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:06
S3	30793010	@pd< "20020906"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:07

S4	0	S3 and S1 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:18
S5	78	S3 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:20
S6	326	370/334.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:20
S7	30793010	@pd<"20020906"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:20
S8	78	S7 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:20
S9	13	S8 and (uplink) and baseband	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:27
S10	13	S9 and (base near4 station)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:28
S11	7	S10 and parameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:28
S12	5	S11 and diversity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:29
S13	2	S12 and changing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:29
S14	0	S13 and (power and antennae and transmission and frequency and preamble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:31

S15	1	S13 and (power and antennae and transmission and frequency )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 21:34
S16	2	("4513412").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/06/24 21:37
S17	18992	directional near3 antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:35
S18	10639	S17 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:35
S19	10639	S18 and (antennas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:36
S20	167	S19 and (uplink and parameter and diversity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:36
S21	2	S6 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:41
S22	212002	(phase near3 shift\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:41
S23	71	S22 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:41
S24	1	S23 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/24 22:42
S25	4	(US-5621786-\$ or US-6115367-\$ or US-4513412-\$ or US-5515378-\$). did.	USPAT	OR	ON	2007/06/24 22:50
S26	3	S25 and power	USPAT	OR	ON	2007/06/24 22:50
S27	2	uplink with baseband with antenna with power with amplification	US-PGPUB; USPAT	OR	ON	2008/04/21 10:43

S28	21	preamble with transmit\$3 with signal with successful\$3 with base with station	US-PGPUB; USPAT	OR	ON	2008/04/21 10:54
S29	0	S28 and (baseband with stage with diversity with signal with later with time)	US-PGPUB; USPAT	OR	ON	2008/04/21 10:57
S30	0	(baseband with stage with diversity with signal with later with time)	US-PGPUB; USPAT	OR	ON	2008/04/21 10:57
S31	3	((("6049307") or ("5475870") or ("5933465"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/04/21 12:53
S32	1	("20030148770").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/21 12:58
S33	1	("20030174675").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/21 13:00
S34	1	mobile same base same station same uplink same transmission same chain same baseband same stage same power same amplification same antenna same preamble same parameter same diversity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:50
S35	1	mobile same base same station same uplink same transmission same chain same baseband same stage same power same amplification same antenna same preamble same parameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:51
S36	1	mobile same base same station same uplink same chain same baseband same stage same power same amplification same antenna same preamble same parameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:51
S37	1	mobile same base same station same uplink same chain same baseband same stage same power same amplification same antenna same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:52
S38	1	mobile same base same station same uplink same chain same baseband same stage same power same amplification same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:52
S39	1	mobile same base same uplink same chain same baseband same stage same power same amplification same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:52
S40	1	mobile same base same uplink same baseband same stage same power same amplification same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:52
S41	1	mobile same base same uplink same baseband same power same amplification same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:52

S42	1	mobile same base same uplink same baseband same power same preamble	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:53
S43	149	mobile same base same uplink same baseband	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:53
S44	42	mobile same base same uplink same baseband same power	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:54
S45	0	S44 and ((two more) near5 (antenna antennae) with preamble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:56
S46	13	S44 and ((two more) near5 (antenna antennae) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 16:56
S47	0	S44 and ((two more) near5 (antenna antennae) near5 (stage) near4 preamble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/04/21 17:06
S48	1	("6094576").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/21 17:27
S49	50	((("20060077935") or ("6424835") or ("6594240") or ("7013146") or ("20020089957") or ("20040264497") or ("20070047495") or ("20070077956") or ("20050135321") or ("6775548") or ("5822693") or ("6169897") or ("7089029") or ("7209077") or ("20020160785") or ("20040082336") or ("20040214590") or ("20040248605") or ("20050285783") or ("4730188") or ("4799059") or ("4864588") or ("5349607") or ("6049538") or ("6075847") or ("6546041") or ("7099267") or ("7119712") or ("20020044050") or ("20020154688") or ("20030039203") or ("20030108059") or ("20040076183") or ("20050135497") or ("20050225447") or ("20060025079") or ("20060209973") or ("20060213892") or ("20070104287") or ("4247947") or ("5781540") or ("6381229") or ("6643275") or ("6778835") or ("6912211") or ("20010024956") or ("20020018446") or ("20020021692") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/23 13:13

		("20020072389") or ("20020085513") or ("").pn.)).PN.				
S50	31	S49 and (@ad<="20020906"	US-PGPUB; USPAT	OR	ON	2008/04/23 13:15
S51	8623	370/465,328,329,395.21.ccls.	US-PGPUB; USPAT	OR	ON	2008/04/23 15:48
S52	3	S51 and ((preamble)same (chang\$3 adapt\$3 var\$3) with (ack nack harq))	US-PGPUB; USPAT	OR	ON	2008/04/23 15:49
S53	164	S51 and ((preamble)same (chang\$3 adapt\$3 var\$3) )	US-PGPUB; USPAT	OR	ON	2008/04/23 15:55
S54	55	S53 and (ack nack)	US-PGPUB; USPAT	OR	ON	2008/04/23 15:56
S55	3	S54 and (MiMO)	US-PGPUB; USPAT	OR	ON	2008/04/23 15:57
S56	1	S55 and (uplink)	US-PGPUB; USPAT	OR	ON	2008/04/23 15:58
S57	0	S49 and (uplink with preamble with (ack nack))	US-PGPUB; USPAT	OR	ON	2008/04/23 16:00
S58	8	S49 and (uplink with preamble )	US-PGPUB; USPAT	OR	ON	2008/04/23 16:00
S59	4	((("20020159502") or ("4513412")). PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/10/08 12:02
S60	2	("7349699").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/10/08 15:34
S61	2	((baseband near3 stage) same (power near3 amplification near3 stage) same (antenna)) and (preamble near3 signal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/10/14 11:37
S62	0	"ep 0749216"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/10/24 16:30
S63	2	"ep 749216"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/10/24 16:30
S64	2	("4513412").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/10/24 16:31
S65	2	"20020159502".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/10/24 16:38
S66	2	("4513412").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/10/24 16:43

S67	1	10/526547	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/05/20 21:05
S68	0	"I5" and (preamble near5 uplink) and (baseband same power )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/05/20 21:09
S69	20	(preamble near5 uplink) and (baseband same power )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/05/20 21:09
S70	1	("6643318").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2009/05/20 21:09
S71	0	uplink and (preambles near3 (message signal wave))and (sip "session intiation protocol") and (success\$4) and (chang\$3 alter\$3 modif\$4) and (signal near3 diversity) and (multipath or (time near3 diversity))	US-PGPUB; USPAT	OR	ON	2009/11/21 02:51
S72	0	(preambles near3 (message signal wave))and (sip "session intiation protocol") and (success\$4) and (chang\$3 alter\$3 modif\$4) and (signal near3 diversity) and (multipath or (time near3 diversity))	US-PGPUB; USPAT	OR	ON	2009/11/21 02:51
S73	0	(preambles near3 (message signal wave))and (sip "session intiation protocol") and (success\$4) and (chang\$3 alter\$3 modif\$4) and (multipath or (time near3 diversity))	US-PGPUB; USPAT	OR	ON	2009/11/21 02:51
S74	617	(preambles near3 (message signal wave)) and (success\$4) and (chang \$3 alter\$3 modif\$4) and (multipath or (time near3 diversity))	US-PGPUB; USPAT	OR	ON	2009/11/21 02:51
S75	18	S74 and (mimo ("two antennae" or antennas) and (frequency near3 band) and directionality	US-PGPUB; USPAT	OR	ON	2009/11/21 02:53
S76	2	("4876743" or ("5644599")).PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2009/11/21 02:57
S77	20	S75 or S76	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/11/21 02:58
S78	18	S77 and (preamble)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/11/21 02:58
S79	9	S78 and rake	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/11/21 03:11

## EAST Search History (I Interference)

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